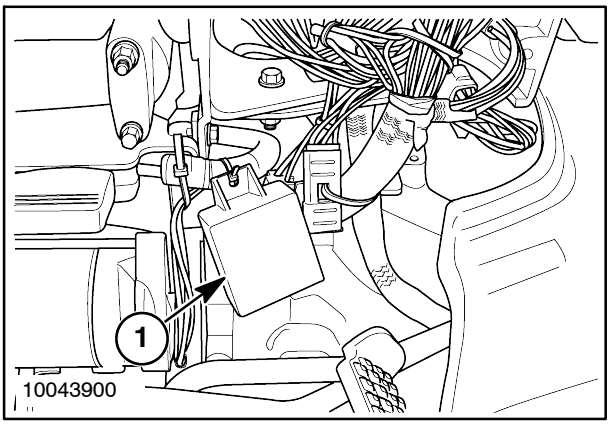
HAZARD FLASHER/TURN SIGNAL CONTROL MODULE

The hazard flasher/turn signal control module, 1, is located underneath the steering column mounting bracket. The control module controls current flowing to the hazard flasher/turn signal lights on the rear fenders. Refer to the chart below for the functions of the control module.



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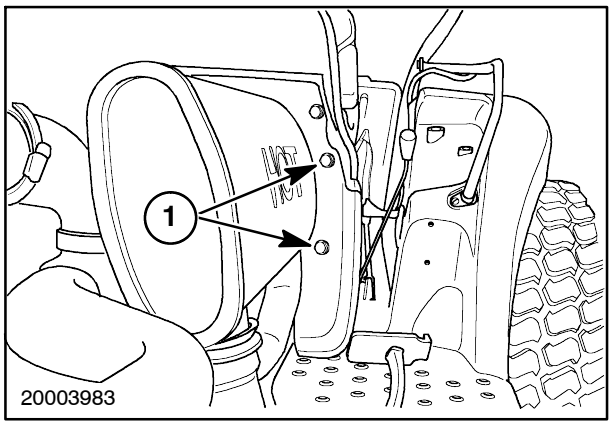
HAZARD/TURN SIGNAL SWITCH POSITION	RESULT
Hazard switch “On”	Both flashers blink in unison.
Left turn signal “On”	Left flasher and taillight blink and right flasher and taillight remain solid.
Right turn signal “On”	Right flasher and taillight blink and left flasher and taillight remain solid.

Removal

1. Disconnect the negative (-) battery cable from the negative (-) battery terminal.
2. Raise the tractor hood.
3. Disconnect the negative (-) battery cable from the negative (-) battery terminal.
4. Remove the two retaining bolts, 1, from the inside the left side of the firewall of the tractor.



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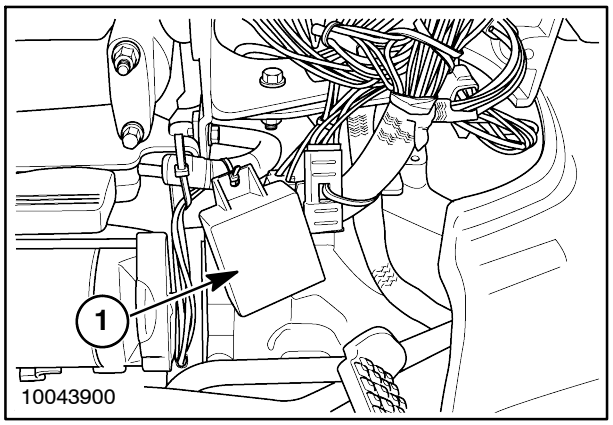
5. Unplug the connector from the control module, 1.



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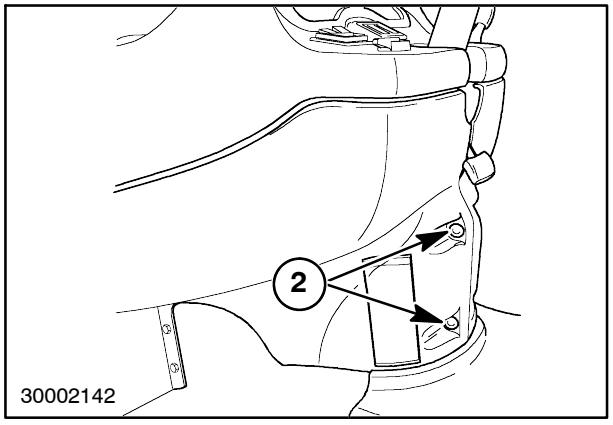
6. Remove the two retaining bolts, 2, from the left side cover of the tractor.
7. Remove the left side cover to reveal the relay/diode panel.



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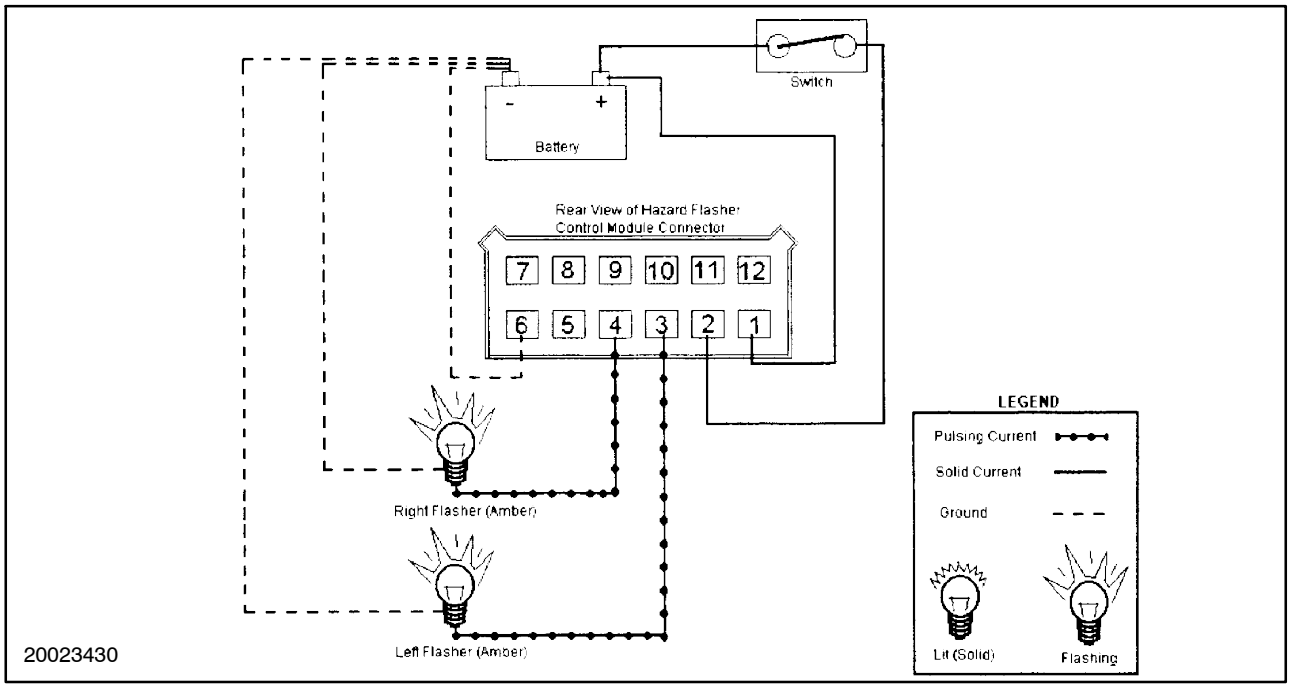
Testing
Use a 12 volt power source, a suitable switch, jumper wires and test lights to perform the 3 tests on the hazard flasher /turn signal control module.

NOTE: *Disregard terminal markings on the module. Refer to terminal markings in the illustration.*

Test 1 – Test 1 is used to verify that the control module is supplying power to both of the hazard lights. This test simulates the hazard switch being turned to the "On" position.

1. Connect a jumper wire to terminal 3 of the control module and to the positive (+) terminal of a test light. This test light will simulate the left flasher. Connect the negative (–) terminal of test light to the negative (–) terminal of the power source.
2. Connect a jumper wire to terminal 4 of the control module and to the positive (+) terminal of a test light. This test light will simulate the right flasher. Connect the negative (–) terminal of the test light to the negative (–) terminal of the power source.
3. Connect a jumper wire to the positive (+) terminal of the power source and the switch.
4. Connect a jumper wire to the switch and terminal 2 on the control module.
5. Connect a jumper wire to the positive (+) terminal of the power source and to terminal 1 of the control module.
6. Connect a jumper wire to the negative (–) terminal of the power source and to terminal 6 of the control module.
7. Move the switch to the "On" position, observe the two test lights. Both should flash on and off simultaneously.



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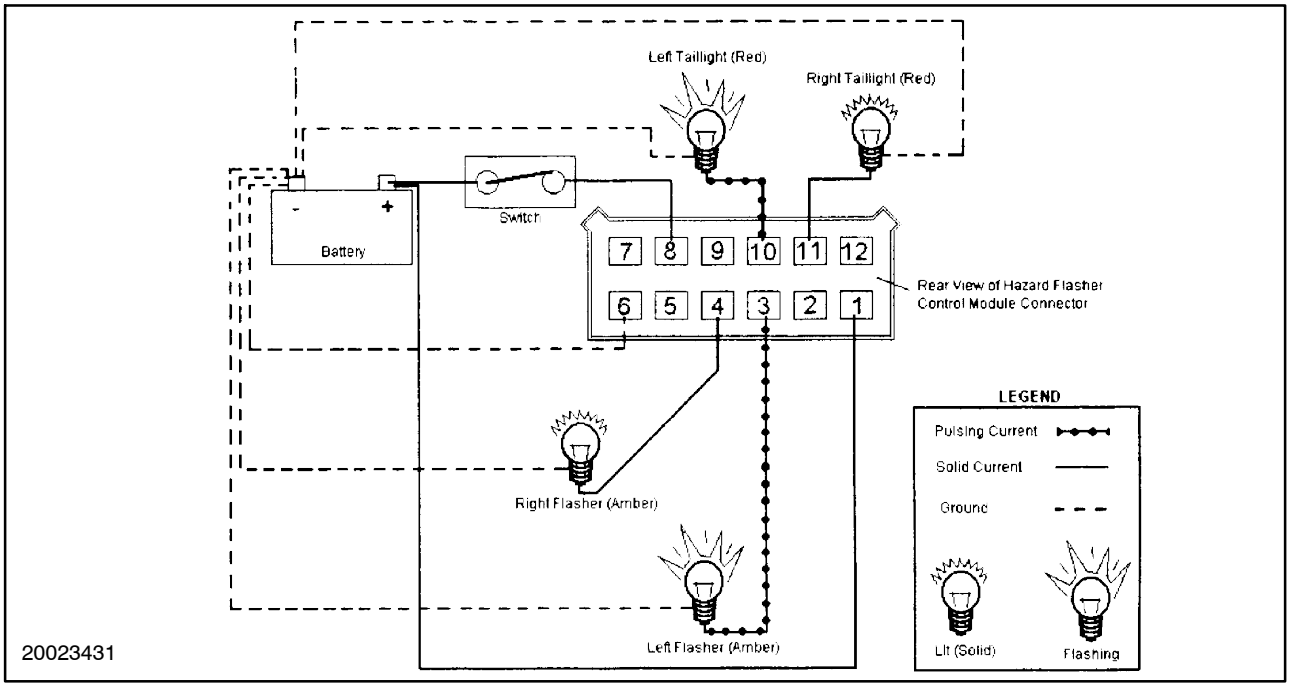
Test 2 – Test 2 is used to verify that the control module is functioning properly when the left turn signal is activated. This test simulates the turn signal switch being turned to the “Left” position.

1. Connect a jumper wire to terminal 10 of the control module and to the positive (+) terminal of a test light. This test light will simulate the left taillight (red). Connect a jumper wire to the (-) negative terminal of the test light and to the negative (-) terminal of the power source.
2. Connect a jumper wire to terminal 11 of the control module and to the positive (+) terminal of a test light. This test light will simulate the right taillight (red). Connect a jumper wire to the (-) negative terminal of the test light and to the negative (-) terminal of the power source.
3. Connect a jumper wire to terminal 4 of the control module and to the positive (+) terminal of a test light. This test light will simulate the right flasher (amber). Connect a jumper wire to the (-) negative terminal of the test light and to the negative (-) terminal of the power source.
4. Connect a jumper wire to terminal 3 of the control module and to the positive (+) terminal of a test light. This test light will simulate the left flasher (amber). Connect a jumper wire to the (-) negative terminal of the test light and to the negative (-) terminal of the power source.
5. Connect a jumper wire to the positive (+) terminal of the power source and the switch.
6. Connect a jumper wire to the switch and terminal 8 on the control module.
7. Connect a jumper wire to the positive (+) terminal of the power source and to terminal 1 of the control module.
8. Connect a jumper wire to the negative (-) terminal of the power source and to terminal 6 of the control module.
9. Switch the switch to the “On” position, observe the two test lights. The left flasher and the left taillight should both flash on and off while the right flasher and right taillight remain lit (solid).



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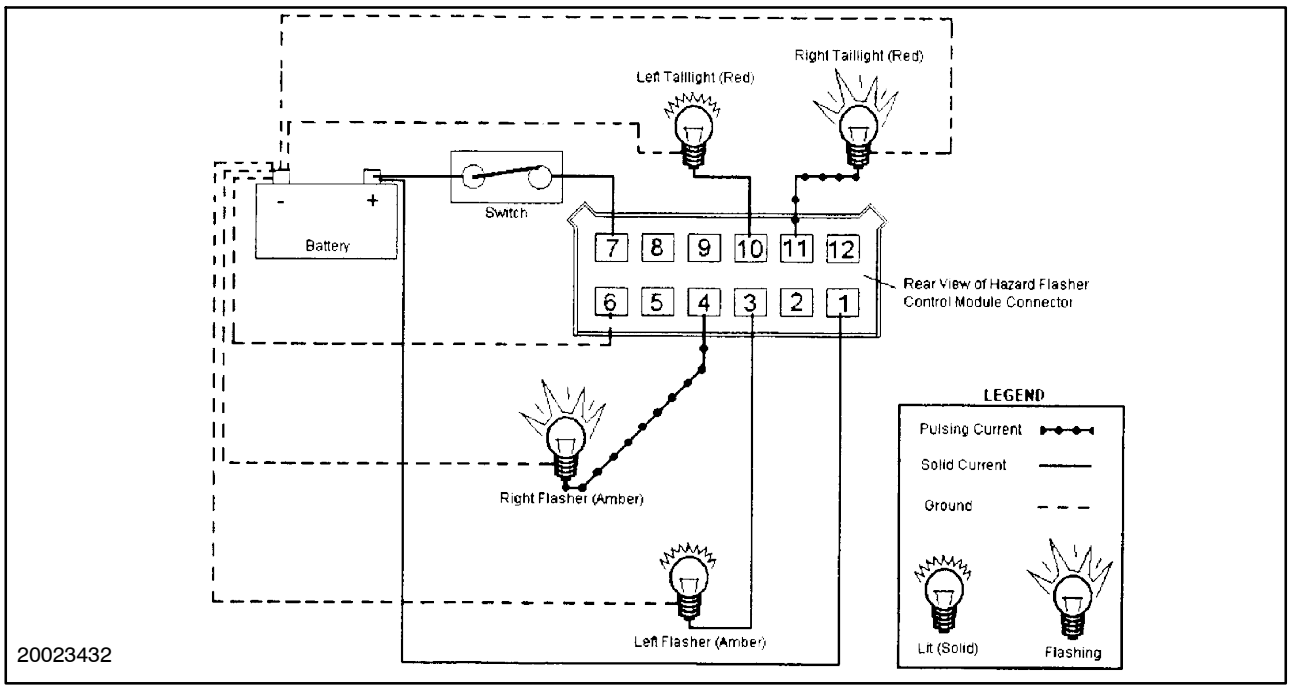
Test 3 – Test 2 is used to verify that the control module is functioning properly when the right turn signal is activated. This test simulates the turn signal switch being turned to the “Right” position.

1. Connect a jumper wire to terminal 10 of the control module and to the positive (+) terminal of a test light. This test light will simulate the left taillight (red). Connect a jumper wire to the (-) negative terminal of the test light and to the negative (-) terminal of the power source.
2. Connect a jumper wire to terminal 11 of the control module and to the positive (+) terminal of a test light. This test light will simulate the right taillight (red). Connect a jumper wire to the (-) negative terminal of the test light and to the negative (-) terminal of the power source.
3. Connect a jumper wire to terminal 4 of the control module and to the positive (+) terminal of a test light. This test light will simulate the right flasher (amber). Connect a jumper wire to the (-) negative terminal of the test light and to the negative (-) terminal of the power source.
4. Connect a jumper wire to terminal 3 of the control module and to the positive (+) terminal of a test light. This test light will simulate the left flasher (amber). Connect a jumper wire to the (-) negative terminal of the test light and to the negative (-) terminal of the power source.
5. Connect a jumper wire to the positive (+) terminal of the power source and the switch.
6. Connect a jumper wire to the switch and terminal 7 on the control module.
7. Connect a jumper wire to the positive (+) terminal of the power source and to terminal 1 of the control module.
8. Connect a jumper wire to the negative (-) terminal of the power source and to terminal 6 of the control module.
9. Switch the switch to the “On” position, observe the two test lights. The right flasher and the right taillight should both flash on and off while the left flasher and left taillight remain lit (solid).



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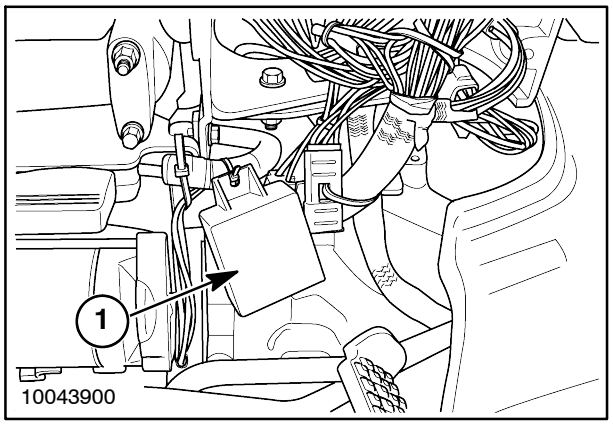
Installation

1. Plug the tractor wire harness connector into the control module, 1.



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2. Install the left side rear panel onto the tractor.
3. Connect the negative (-) battery cable to the negative (-) battery terminal.
4. Lower and secure the tractor hood.